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John T. Pienkos, Reg. No. 42,997



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Barry Gelernt  
Application No.: 10/824,865  
Filed: April 15, 2004  
For: APPARATUS AND METHOD FOR OPTICAL DATA STORAGE AND RETRIEVAL  
Group Art Unit: 2878  
Examiner: --  
Atty. Docket No.: 112074.00004

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§1.97 AND 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This paper is being presented for filing in the above case pursuant to Rules 97 and 98 of the Rules of Practice. A Form "Information Disclosure Statement by Applicant" is attached which lists the references cited and copies of the references are enclosed.

No additional fees for filing this paper are believed to be due. However, the Commissioner is hereby authorized to charge any additional fees due or to credit any overpayment to deposit account no. 17-0055.

Respectfully submitted,



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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

3

### Complete if Known

Application Number	10/824,865
Filing Date	April 15, 2004
First Named Inventor	Barry Gelernt
Art Unit	---
Examiner Name	---

Attorney Docket Number 112074.00004

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 3,638,201	01-25-1972	Borner	
		US- 4,122,551	10-24-1978	Urbach	
		US- 4,598,395	07-01-1986	Smith	
		US- 4,712,887	12-15-1987	Baer	
		US- 5,645,964	07-08-1997	Nohr et al.	
		US- 5,858,586	01-12-1999	Nohr et al.	
		US- 6,028,835	02-22-2000	Thomas	
		US- 6,243,348	06-05-2001	Goodberlet	
		US- 6,369,398	04-09-2002	Gelernt	
		US- 6,373,869	04-16-2002	Jacob	
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		US- 6,529,463	03-04-2003	Goodberlet	
		US- 6,605,815	08-12-2003	Gelernt	
		US- 5,185,552	02-09-1993	Suzuki et al.	
		US- 4,091,290	05-23-1978	Bjorklund et al.	
		US- 4,128,772	12-05-1978	Chang et al.	
		US- 5,848,079	12-08-1998	Kortz et al.	
		US- 5,194,740	03-16-1993	Kogelschatz et al.	
		US- 5,499,282	03-12-1996	Silfvast	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		WO 99/63536	12-09-1999	Massachusetts Institute of Tec		

Examiner Signature	Date Considered

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PTO/SB/08A (08-00)

Approved for use through 10/31/2002.  
NCF-PPA-REFINEMENT-07-2011-0002

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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	10/824,865
		Filing Date	April 15, 2004
		First Named Inventor	Barry Gelernt
		Group Art Unit	---
		Examiner Name	---
Sheet	2	of	3
		Attorney Docket Number	

## U.S. PATENT DOCUMENTS

## **FOREIGN PATENT DOCUMENTS**

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Substitute for form 1449/PTO				<i>Complete if Known</i>	
				<b>Application Number</b>	10/824,865
				<b>Filing Date</b>	April 15, 2004
				<b>First Named Inventor</b>	Barry Gelernt
				<b>Art Unit</b>	---
				<b>Examiner Name</b>	---
Sheet	3	of	3	<b>Attorney Docket Number</b>	112074.00004

<b>OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
		"Hard Disk Recording Aims to Get Perpendicular," Peter Singer, Semiconductor International, September 2002, Volume 25, Number 10, pgs. 50-54.		
		"CD-ROM Technical Summary From Plastic Pits to "Fantasia," Andy Poggio, obtained at < <a href="http://pauillac.inria.fr/~lang/hotlist/cdrom/Documents/tech-summary.html">http://pauillac.inria.fr/~lang/hotlist/cdrom/Documents/tech-summary.html</a> >, printed 07/22/04, 7 pgs.		
		" Everything You Wanted To Know About DVD-R. (Technology Information)", Andy Parsons, Computer Technology Review, February 2000, pgs 1-3 and March 2000, pgs. 1-3, obtained at <a href="http://www.findarticles.com">http://www.findarticles.com</a> , printed 7/27/04.		
		"Quenching and Radiative Lifetimes for NH ( $b^1\sigma^+$ , $v' = 0$ ) , B. Gelernt et al., Chemical Physics Letters, Volume 36, number 2, Nov. 1, 1975, pgs. 238-241.		
		"New Bands In the ND $c^1\pi-a^1\Delta$ System; Spectroscopic Constants Of The $a^1\Delta$ State", W. Cheung, B. Gelernt, and T. Carrington, Chemical Physics Letters, Volume 66, number 2, 10/1/1979, pgs. 287-290		
		"Optical Data Storage", H. Coufal and G.W. Burr, International Trends in Applied Optics, ch. 26, 2002, pgs. 609-628.		
		"Blue Laser CD Technology", Robert L. Gunshor and Arto V. Nurmikko, Scientific American, July 1996, pgs. 48-51.		
		"121.6 nm radiation source for advanced lithography", Jianxun Yan et al., J. Vac. Science & Technology B, Microelectronics and Nanometer Structures, Volume 20, number 6, Nov/Dec 2002, pgs. 2574-2577		
		"Prospects for photolithography at 121 nm", V. Liberman et al., J. Vac. Science & Technology B, Microelectronics and Nanometer Structures, Volume 20, number 6, Nov/Dec. 2002, pgs. 2565-2573.		

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